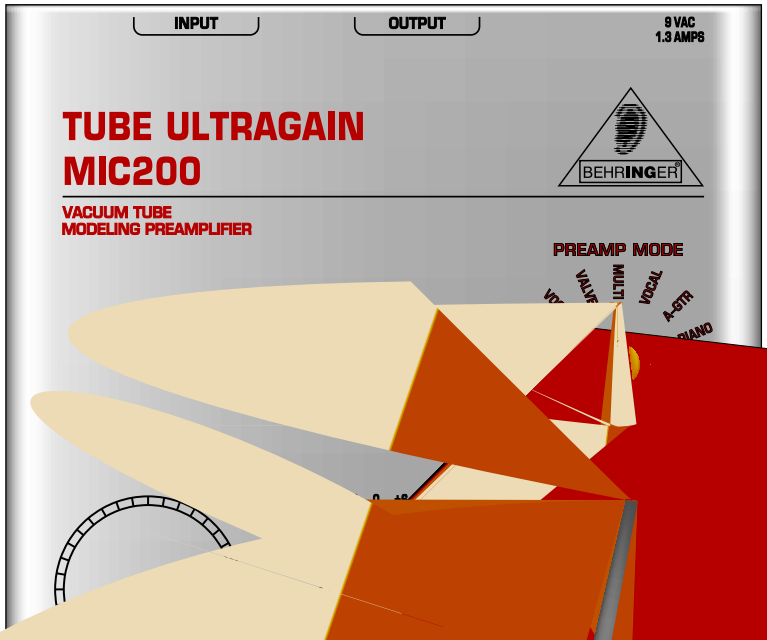
ULTRAGAIN MIC200

User's Manual

ENGLISH

Version 1.0 November 2003



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside; refer servicing to qualified personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture.

This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure—voltage that may be sufficient to constitute a risk of shock.

This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

DETAILED SAFETY INSTRUCTIONS:

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this device near water.
6) Clean only with a dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, extension cords, and the point at which they exit the unit.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the device. When a cart is used, use caution when moving the cart/device combination to avoid injury from stumbling over it.
13) Unplug this device during lightning storms or when not used for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

Welcome to the BEHRINGER family!

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1. INTRODUCTION

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LED , w w
MIC200 v w .

1.1 The design concept

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2. CONTROL ELEMENTS

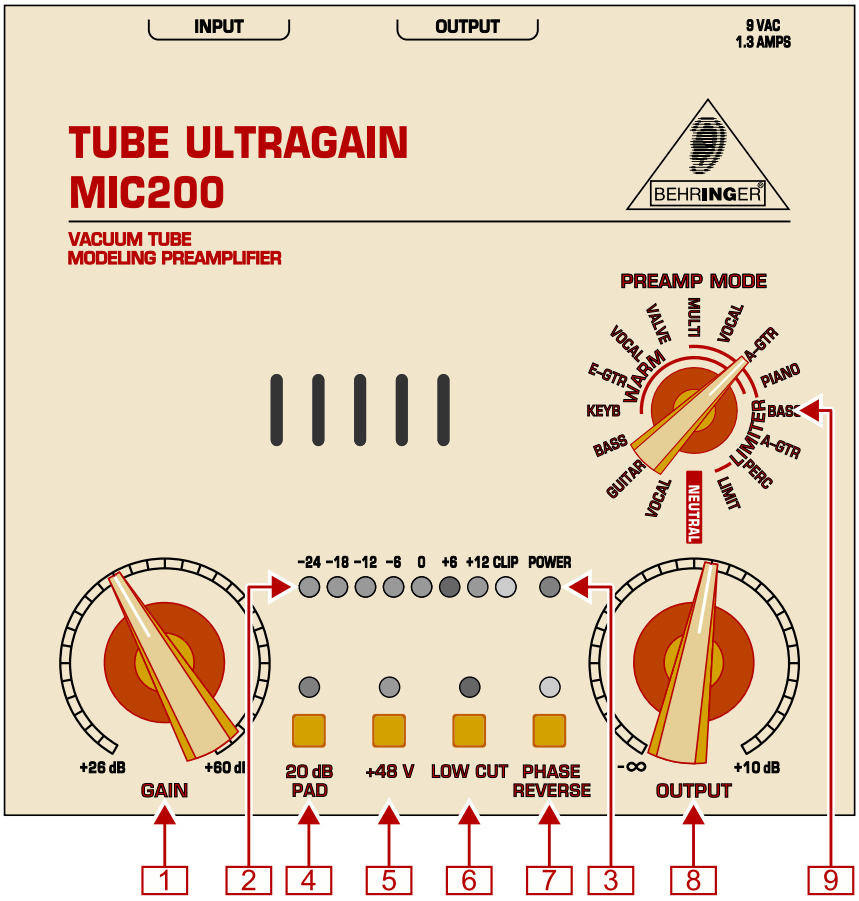


Fig. 2.1: User interface of the MIC200

2.1 User interface

1 T *GAIN* w +26 +60 B . T w w ( ) MIC200. , w .

2 *LED* . T LED v B. P LED v .

I , v .

3 I MIC200 v w , *POWER* LED MIC200 .

4 T *20 dB PAD* w v 20 B (w). T . G , w v . N w , LED w v .

5 T *+48 V* w v w LR . P w . D w .

6 P *LOW CUT* w , .

7 *PHASE REVERSE* w , v 180 . T v . U - .

8 T *OUTPUT* v v w - +10 B. I w , . T v .

9 T *PREAMP MODE* w v w . T v : ARM, ARM/ LIMITER, LIMITER NEUTRAL:

WARM (moving clockwise, starting at 9 o'clock):

T w w w w .

KEYB: F .

E-GTR: E .

VOCAL: S v .

VALVE: , .

WARM + LIMITER (moving clockwise, starting at 12 o'clock):

U w w w v w w , w (. .) w .

MULTI: V .

VOCAL: S v .

A-GTR: A .

PIANO: P / .

LIMITER (moving clockwise, starting at 3 o'clock):

S w w w w w .

BASS: B .

A-GTR: A .

PERC: P .

LIMIT: N .

NEUTRAL (moving clockwise, starting at 6 o'clock):

T w w w .

NEUTRAL: N .

VOCAL: O v .

GUITAR: O .

BASS: O .

☞ **Since presets cannot cover all possible applications, experiment with different settings until you find those that work best for you. Think of presets as the starting points for your sound configuration.**

2.2 Rear panel

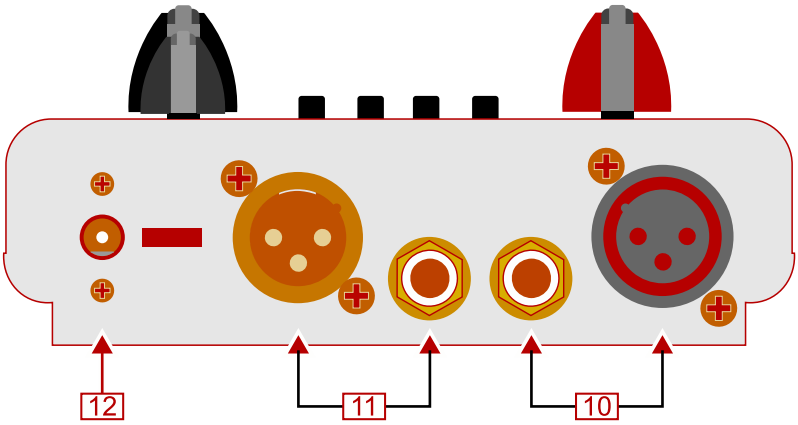


Fig. 2.2: The rear panel of your MIC200

10 T *1/4" TRS INPUT* MIC200 . T w LR .

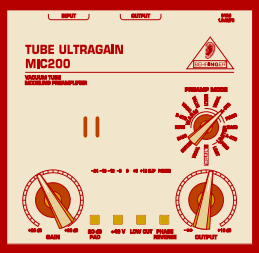
I , *XLR INPUT* .

☞ **In contrast to its outputs, the MIC200's inputs should never be used simultaneously!**

11 T *XLR OUTPUT* MIC200. U LR , w .

T *1/4" TRS OUTPUT* MIC200 , w .

☞ **Please note that you can use the XLR and TRS outputs of your MIC200 at the same time! Thus, it is possible to connect the MIC200's output signal to two different devices simultaneously.**



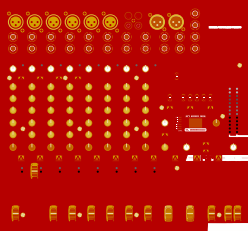


Fig. 3.1: Standard live application

3.2 “Direct to disk” application in studio or home recording environments

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nput
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4. AUDIO CONNECTIONS

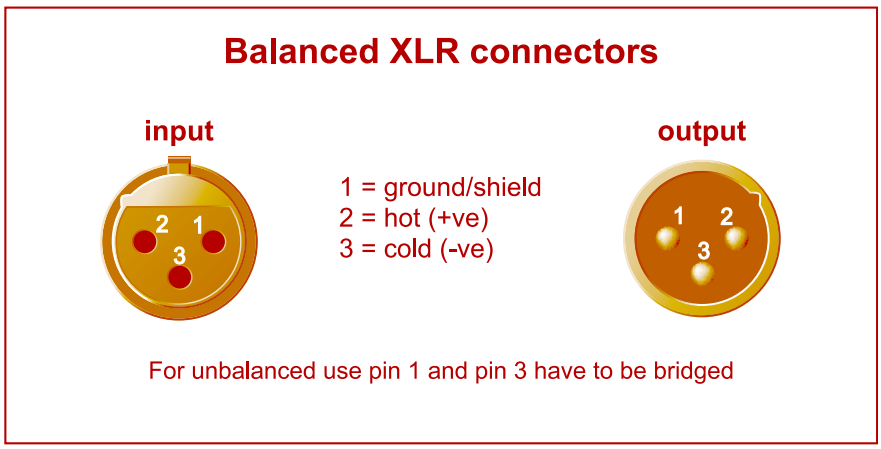
Balanced XLR connectors
input
output
1 = ground/shield
2 = hot (+ve)
3 = cold (-ve)
For unbalanced use pin 1 and pin 3 have to be bridged

Fig. 4.1: XLR connectors

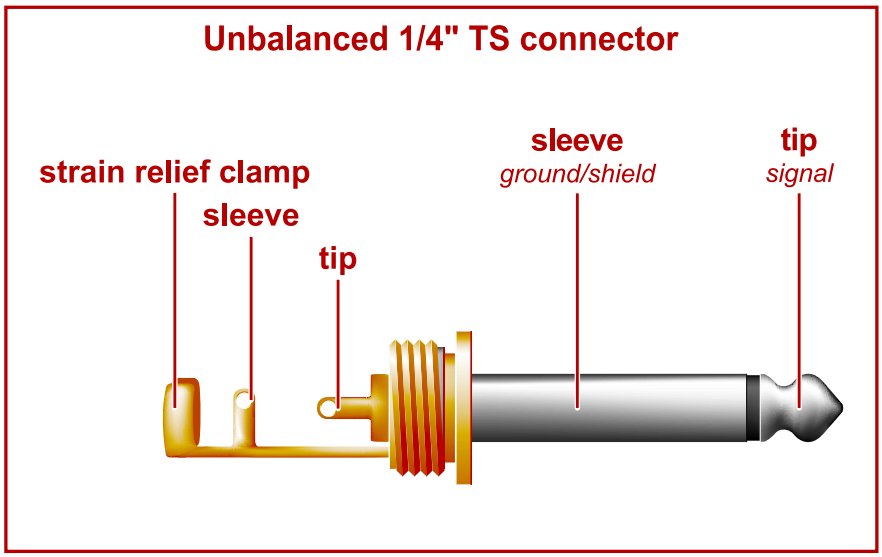

Fig. 4.2: 1/4" TS connector

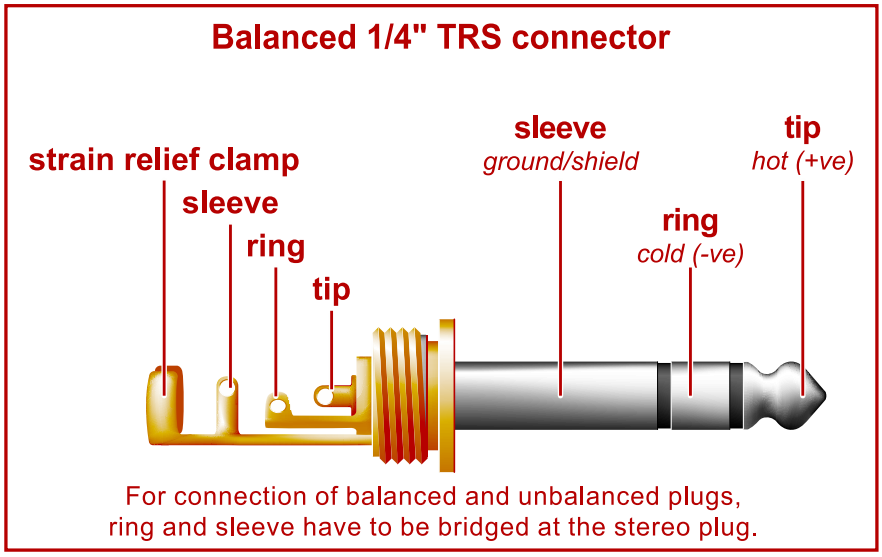

Fig. 4.3: 1/4" TRS connector

5. WARRANTY

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@ . , +49 2154 9206 4199,
+49 2154 9206 4166.

6. SPECIFICATIONS

XLR input

Connector	Balanced/unbalanced
Type	Transformerless, DC-decoupled input
Impedance	approx. 2 kΩ
Max. input level	+7 dBu / 20 dB with pad

1/4" TRS input

Connector	Balanced/unbalanced
Type	Transformerless, DC-decoupled input
Impedance	approx. 1 MΩ
Max. input level	+16 dBu / 20 dB with pad

Audio outputs

Connectors	XLR and 1/4" TRS connector bal./unbal.
Type	Transformerless, DC-decoupled output
Impedance	approx. 700 Ω bal. / approx. 350 Ω unbal.
Max. output level	approx. +26 dBu @ 100 kΩ

TUBE ULTRAGAIN MIC200

System specifications		
Frequency response	Mic input <10 Hz - 47 kHz (+/-3 dB) Line input <10 Hz - 55 kHz (+/-3 dB)	
Function controls		
Gain	variable (+26 to +60 dB)	
Output	variable (-∞ to +10 dB)	
Preamp mode control	Selection of various preamp settings for microphone and instruments	
Function switches		
20 dB pad	Level attenuation (20 dB)	
+48 V	Activates the phantom power	
Low Cut	High pass filter (cut-off frequency 90 Hz)	
Phase reverse	Reverses phase (180 degrees)	
Indicators		
Input level	8-segment LED meter: -24, -18, -12, -6, 0, +6, +12, clip	
Power-LED	Indicates operation	
Power supply		
Mains voltage	USA/Canada	120 V~, 60 Hz
	U.K./Australia	240 V~, 50 Hz
	Europe	230 V~, 50 Hz
	Japan	100 V~, 50 - 60 Hz
Mains supply	external power supply 9 V AC/1300 mA	
Physical Dimensions	approx. 2 1/2" (64 mm) x 5 1/4" (135 mm) x 5 1/4" (135 mm)	
Weight	approx. 1.1 lbs (0.5 kg) (w/o power supply)	

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